

APPARATUS AND METHOD FOR AN ULTRASONIC PROBE USED WITH A
PHARMACOLOGICAL AGENT

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ABSTRACT

The present invention provides an apparatus and a method of using an ultrasonic probe with a pharmacological agent to enhance an occlusion treating effect of the ultrasonic probe to effectively remove an occlusion. The pharmacological agent is released through a catheter to treat the occlusion and enhance an effect of a transverse ultrasonic vibration of the ultrasonic probe to effectively remove the occlusion. The pharmacological agent continues to travel downstream of the site of the occlusion and work in conjunction with the ultrasonic probe to reduce the occlusion to a size that can easily be removed from the body naturally in order to prevent reformation of the occlusion and other health risks.